

Satellite® A70 Series Notebook

Feature Model(s):

Satellite A70-S256	Mobile Intel® Pentium® 4 processor 532 supporting Hyper-Threading Technology 3.06 GHz, 15.4" WXGA, 512MB, 60GB (4200 RPM), DVD-CDRW, Modem/LAN/802.11g Wi-Fi, WinXP Pro	PSA70U-00D006	UPC CODE: 032017251274
Satellite A70-S2561	Mobile Intel® Pentium® 4 processor 532 supporting Hyper-Threading Technology 3.06 GHz, 15.4" WXGA, 512MB, 60GB (4200 RPM), DVD-CDRW, Modem/LAN/802.11g Wi-Fi, WinXP Home	PSA70U-00D009	UPC CODE: 032017251281
Satellite A70-S2362	Intel Celeron D Processor 325 (2.53GHz), 15.4" WXGA, 512MB, 40GB (4200RPM), DVD-CDRW, Modem/LAN/802.11g Wi-Fi, i.LINK® 1394, CD-Keys, 5-in-1 Media Reader, Win-XP-Pro	PSA70U-00Y00F	UPC CODE: 032017255418

System Characteristics¹

Custom configuration options and optional items listed below are highlighted.

Operating System

- Microsoft Windows XP-Pro (A70-S256 & A70-S2362)
- Microsoft Windows XP-Home Edition (A70-S2561)
- Microsoft Windows 2000 (Components Only)

Processor² and Chipset

- Mobile Intel® Pentium® 4 processor 532 supporting Hyper-Threading Technology 3.06 GHz
- ATI® Mobility RADEON™ 9000 IGP 64MB of shared video memory.
- 1MB Level 2 cache memory integrated on die, (256KB L2 Cache for Celeron D model)
- 533MHz Processor System Bus Clock Speed

Memory

- 512MB (1DIMM) fixed memory module with 1 available upgradeable slot expandable to 1,536MB
- Optional expansion memory: PC2700 (DDR 256MB/512MB/1024MB) SODIMM: Memory compatible with PC2700 DDR333

Mass Storage³

- 80GB (4200rpm & 5400rpm), 60GB (4200rpm & 5400rpm)
- 2.5" Enhanced IDE (ATA-6) hard disk drive: 9.5mm height

Optical Drives

- **FIXED DVD-ROM/CDRW Multi-function drive:** Enhanced IDE (ATAPI) Interface; Maximum read speed: CD-ROM, CD-R(24x), CD-RW(12x), CD-ROM(24x), DVD-ROM(8x), DVD-R, DVD-RW (4xMax), DVD-RAM(2xMax), Maximum write speed: CD-R (24xMax), CD-RW (4xMax), HS CD-RW (10xMax), US CD-RW (24xMax)
- **FIXED DVD Super Multi-Drive:** Enhanced IDE (ATAPI) Interface; Maximum read speed: CD-ROM, CD-R (24x), CD-RW (12x), DVD-ROM (8x), DVD-R (4x), DVD-RW (2x), DVD+R (2.4Max), DVD+RW (2.4Max), DVD-RAM (2x Max), Maximum write speed: CD-R (16 Max), CD-RW (4 Max), HS CD-RW (8x Max), DVD-R (4x Max), DVD-RW (2xMax), DVD+R (2.4x Max), DVD+RW (2.4), DVD-RAM (2x Max),

Display⁴

15.4" widescreen TFT WXGA LCD, display supports up to 16M colors at 1280X800

- Brightness control

Graphics

- ATI® Mobility Radeon™ 9000 IGP with 64MB of shared video memory
- DirectX8 supported by hardware and Direct X9 supported by software
- Direct 3D support and DirectVideo
- External Color Support/Refresh rate:

640 x 480	16bit/32bit colors
800 x 600	16bit/32bit colors
1024 x 768	16bit/32bit colors
1280 x 800	16bit/32bit colors
1280 x 1024	16bit/32bit colors
1600 x 1200	16bit/32bit colors
1920 x 1440	16bit/32bit colors
2048 x 1536	16bit/32bit colors

Input Devices

- Keyboard: Full sized 85 keys with 12 function keys, 2.7mm key stroke, 6mm height; Dedicated Windows® keys support; HotKey function; TouchPad pointing device

Expandability

- 1 Memory Card Expansion Slot Available
- 1 PC Card slot support 1 Type II PC Card

Communications⁵

- Integrated V.92/56K modem; Data and fax support
- Integrated 10/100 Ethernet LAN
- Integrated Wireless LAN (Atheros 802.11b/g)

Ports

- Parallel printer port
- RGB (monitor) port
- 3 Universal Serial Bus ports (USB)
- TV-Out Port
- RJ-45 LAN Port
- RJ-11 modem port
- FIR
- IEEE1394
- 5-IN-1 Bridge Media (Select Model Only)

Physical Description⁶

- Dimensions (LxWxH): 14.4" x 10.8" x 1.5/1.8 (2.1" w/feet)
- Weight: 7.98 lbs.
- LED Indicators: Power, Power Save Mode, HDD, CD/DVD-ROM Access, DC-IN, Caps Lock, Arrow, Numeric, Main Battery Charging Status, System Sleep / Suspend status, Wireless Communication switch

Sound

- Realtek ALC250 Codec Chip; Software Sound
- Built-in stereo speakers; Sound Volume (by dial), Direct 3D Sound, Direct Sound, DirectMusic, MIDI Playback Support; Full Duplex Support
- Ports: External Microphone port, headphone port

Power Supply

- AC Adapter: 120W external AC Adapter, 100-240V / 50-60Hz frequency (Universal) input voltage, 19V x 6.3A Output. Dimensions (LxWxH): 5.91" x 2.56" x 1.48" Weight: 1.4lbs
- Battery Pack: 12-cell, rechargeable, removable Lithium Ion (Li-Ion) battery, 14.8V x 6450mAh
- Dimensions (LxWxH): 10.7" x 2.82" x 1.04" Weight: 1.49 lbs.
- Battery Saver (in Windows XP): Stand by, HDD Auto Off, Display Auto Off, Throttling, Hibernation
- Battery life (main batt): Up to 2 Hrs (see battery section)
- Recharge time (main off/on): Up to 12H(system on)/ Up to 4H(system off)
- Battery life may vary depending on applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack or see information on accessories shipping with your computer, visit the Toshiba website at www.accessories.toshiba.com

Security

- Slot for computer lock, HDD (6 screws) and memory (1 screw), User Power-on password, Setup Security, Screen Blank (by Hotkey), Screen Saver (by software)

Bios

- ACPI, PnP, VESA, DPMS, DDC, SM BIOS, PC BIOS support, Boot Device

Toshiba Software and Utilities

- Toshiba Speech System
- Toshiba Notebook Maximizer
- Toshiba ConfigFree™ software
- Toshiba Custom Utilities

Additional Software

- Microsoft® Works®
- Microsoft® Office® OneNote™ 2003
- Software Decoder: InterVideo® (Win-DVD™ 5) – w/SRS TruSurround XT® Technology (SRS TruSurround XT® Technology Features: TruSurround, SRS Dialog Clarity, Enhancement & TruBass)
- Microsoft® Office® 2003 Student/Teacher Edition 60-Day Trial Version
- Sonic RecordNow Application & DSL Writing Software
- ArcSoft ShowBiz® DVD Version 1.3
- Intuit® Quicken® New User Edition 2004
- Norton® Anti Virus™ 2003 – w/3-Month Subscription
- AOL® (3 – Month offer)
AOL OFFER DETAILS: Availability may be limited, especially during peak times. TO AVOID BEING CHARGED A MONTHLY MEMBERSHIP FEE, SIMPLY CANCEL BEFORE THE THREE-MONTH PROMOTIONAL PERIOD ENDS. Premium services carry surcharges and communication surcharges may apply, including AK, even during promotional period. Members may incur telephone charges on their phone bill, depending on their location and calling plan, even during promotional period. Available to new AOL members in the United States, ages 18 or older; a major credit card or checking account is required.
- Adobe® Acrobat Reader
- AT&T® Worldnet® Service – 1 Month FREE
–Telephone access and other charges and other terms and conditions may apply. Offer available to new customers only.
- QuickTime™ Player
- RealOne™ Player 8 Basic
- Microsoft® Internet Explorer
- WIN-DVD4
- Napster Download Trial

Environmental

- Temperature: Operating: 5° to 30°C (41° to 86°F); Non-operating: -20° to 55°C (-4° to 131°F)
- Thermal gradient: Operating: 15°C per hour maximum; Non-operating: 20°C per hour maximum
- Relative Humidity: Operating: 20% to 80%; Non-operating: 10% to 90%
- Altitude (relative to sea level): Operating: -60 to 3000 meters; Non-operating: -60 to 10,000 meters
- Shock: Operating: 10G; Non-operating: 60G
- Vibration: Operating: 0.5G; Non-operating: 1.0G

SelectServ® Warranty Programs

- | | |
|--|------------|
| • Warranty Extensions to 3 Years | SWP-PEQQ3V |
| • 3 Year SystemGuard | SWP-PEQG3V |
| • 3 Year Depot Express | SWP-PEQX3V |
| • 3 Year Business On-Site Repair; Next Day Business Day Response | SWP-PEQN3V |
| • 3 Year SystemGuard + Depot Express | SWP-PEGX3V |
| • 3 Year SystemGuard + Business on Site Repair, Next Bus. Day Response | SWP-PEGN3V |

Selected Accessories

Category	Part Number	Description
AC adapter	PA3290U-2ACA	Toshiba 120W Global AC Adapter (smaller tip)
Primary Battery	PA3383U-1BRS	Toshiba Li Ion Battery (12 cell)
FDD	PA3109U-1FDD	Toshiba USB FDD Kit
Input	PA1336U-1NKB	Toshiba USB Keyboard
Input	PA1337U-1NMS	Toshiba USB Optical Mouse
Memory	KT13311/256	Kingston 256MB Memory
Memory	KT13311/512	Kingston 512MB Memory
Memory	KT13311/1G	Kingston 1GB Memory
Cases	PA1335U-1NCS	Toshiba Ambassador Leather Case
Cases	NWCER2	Excursion Roller 16"
Cases	PA1362U-1NCS	Toshiba BackPack
Cases	PA1360U-1NCS	Toshiba Nylon Case
Cases	PA1361U-1NCS	Toshiba Executive Leather Case
Security	NWDEFCL	Targus-Noteworthy DEFCON CL Cable Lock
Storage & Back-up	HDD1232CZP41002	Toshiba SGB Type II PC Card HDD w/Back-up software
Storage & Back-up	ABSPPLUS-60.0	CMS ABSPlus 60GB PCMCIA Automatic Backup System
Storage & Back-up	ABSPPLUS-80.0	CMS ABSPlus 80GB PCMCIA Automatic Backup System
Storage & Back-up	UABS2-60.0	CMS ABSPlus 60GB USB 2.0 Automatic Backup System
Storage & Back-up	UABS2-80.0	CMS ABSPlus 80GB USB 2.0 Automatic Backup System

Go to www.accessories.toshiba.com for additional, available accessories

¹**SUBJECT TO CHANGE:** While Toshiba has made every effort at the time of publication to ensure the accuracy of the information provided herein, product specifications, configurations, prices, system/component options availability are all subject to change without notice. For the most up-to-date product information about your computer, or to stay current with the various computer software or hardware options, visit Toshiba's Web site at pcsupport.toshiba.com.

²**Central Processing Unit ("CPU") Performance Disclaimer.**

CPU performance in your computer product may vary from specifications under the following conditions:

- use of certain external peripheral products
- use of battery power instead of AC power
- use of certain multimedia games or videos with special effects
- use of standard telephone lines or low speed network connections
- use of complex modeling software, such as high end computer aided design applications
- use of computer in areas with low air pressure (high altitude >1,000 meters or >3,280 feet above sea level)
- use of computer at temperatures outside the range of 5°C to 30°C (41°F to 86°F) or >25°C (77°F) at high altitude (all temperature references are approximate and may vary depending on the specific computer model – please refer to your Resource Guide or visit the Toshiba website at www.pcsupport.toshiba.com for details).

CPU performance may also vary from specifications due to design configuration.

Under some conditions, your computer product may automatically shut-down. This is a normal protective feature designed to reduce the risk of lost data or damage to the product when used outside recommended conditions. To avoid risk of lost data, always make back-up copies of data by periodically storing it on an external storage medium. For optimum performance, use your computer product only under recommended conditions. Read additional restrictions under "Environmental Conditions" in your product Resource Guide. Contact Toshiba Technical Service and Support for more information.

³**Hard Disk Drive Disclaimer:** 1 Gabyte (GB) means 1000 * 1000 * 1000 = 1,000,000,000 bytes using powers of 10. The computer operating system, however, reports storage capacity using powers of 2 for the definition of 1 GB = 1024 * 1024 * 1024 = 1,073,741,824 bytes, and therefore may show less storage capacity. Available storage capacity will also be less if the product includes pre-installed operating system and/or application software. Actual formatted capacity may vary.

⁴**TFT Display Disclaimer:** Small bright dots may appear on your TFT display when you turn on your PC. Your display contains an extremely large number of thin-film transistors (TFT) and is manufactured using high-precision technology. Any small bright dots that may appear on your display are an intrinsic characteristic of the TFT manufacturing technology.

****Weight: Weight may vary depending on actual configuration.

⁵**FCC Modern Speed Disclaimer.**

Due to FCC limitations, speeds of 53 kbps are the maximum permissible transmission rates during download. Actual data transmission speeds will vary depending on line conditions.

⁶**Wireless or Connectivity Claims.**

Wireless connectivity is subject to availability of access points. You might have to purchase additional software, hardware and/or services or pay for phone charges and air time, etc. to achieve the functionality as advertised.

⁷**Weight Disclaimer**

Weight may vary depending on product configuration, vendor components, manufacturing variability and options selected.

⁸**Battery:** Battery life may vary depending on product model, configuration, applications, power management settings and features utilized. Recharge time varies depending on usage. Battery may not charge while computer is consuming full power. After a period of time, the battery will lose its ability to perform at maximum capacity and will need to be replaced. This is normal for all batteries. To purchase a new battery pack, see the accessories information that shipped with your computer or visit the Toshiba web site at www.accessories.toshiba.com

Return Policy

TAIS does not accept the return of component parts, or bundled software, which have been removed from the PC system. Pro-rata refunds on individual PC components or bundled software, including the operating system, will not be granted. If you wish to return a complete PC system, contact the TAIS dealer where you purchased the product, and comply with the dealer's standard return policies and procedures.

Subject to Change

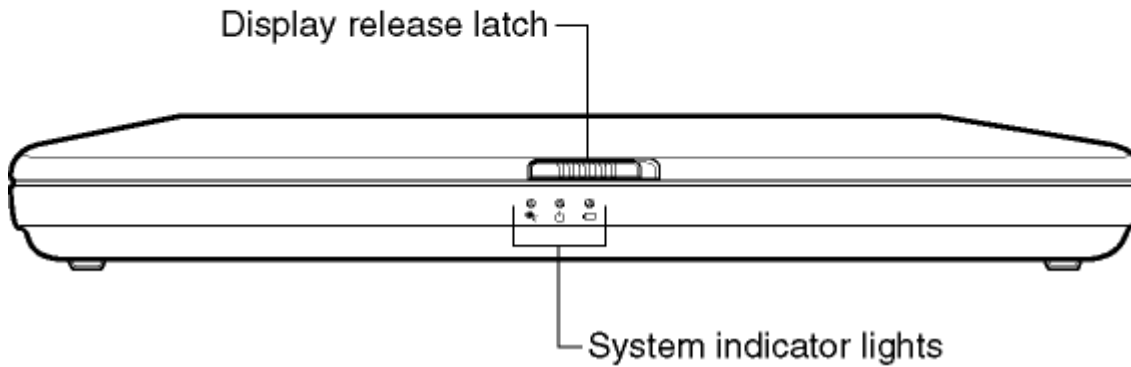
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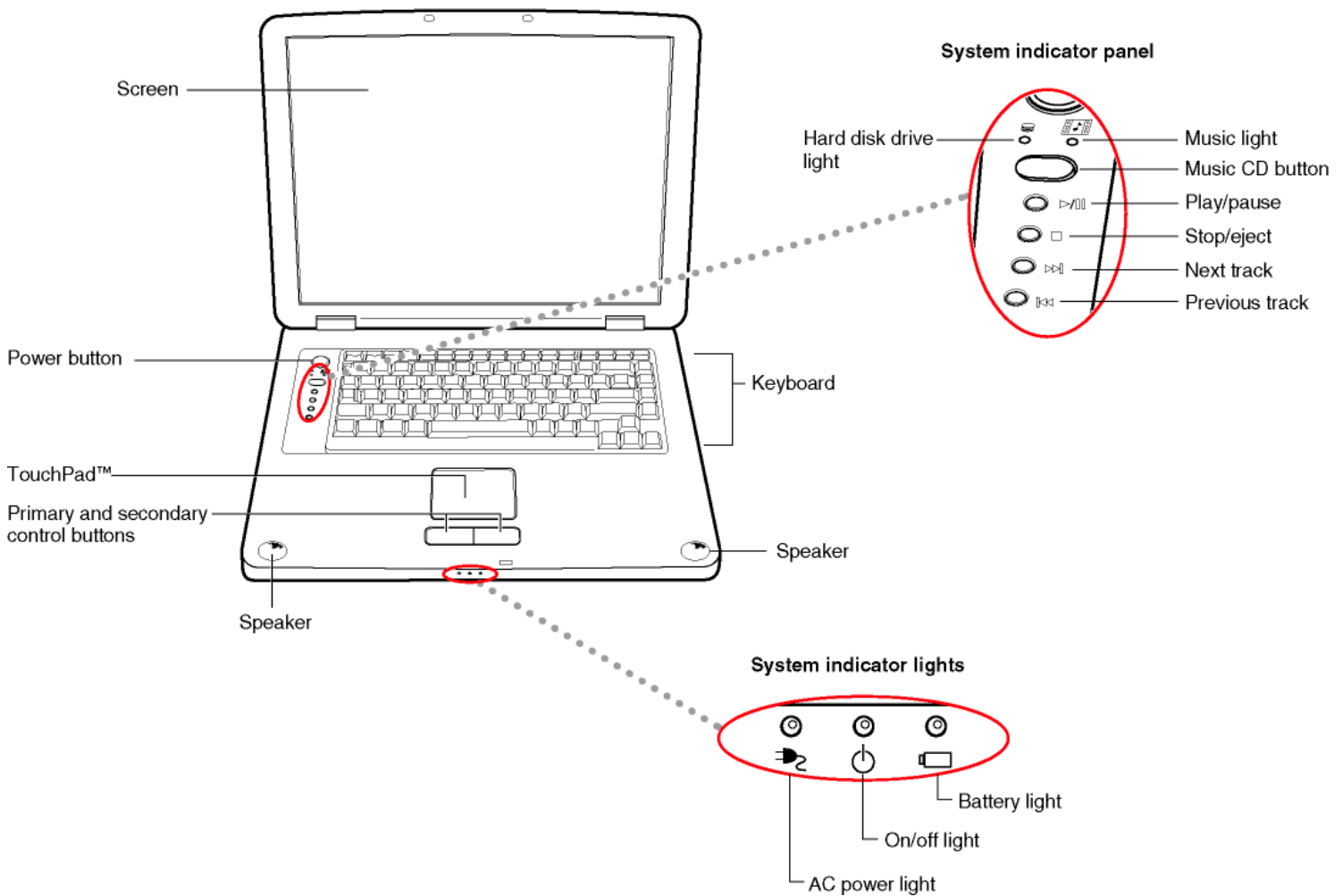
"Business Winstone 2002 BatteryMark Version 1.0" Score

Battery Life	Catalog Spec (1st)	2H	2H
	(1st+2nd)		
	Number of Conditioning Phase	1	1
	Life Test Run	3	3
A	CPU Name	Mobile Intel® Pentium® 4 processor 518 with HT Technology	Mobile Intel® Pentium® 4 processor 538 with HT Technology
	Processor info	speed	3.2GHz
		number of processors	1
	Amount of RAM	512MB	512MB
	Amount of secondary RAM cache	1MB	1MB
B	Battery	type(1st)	Li-Ion
		model number(1st)	PA3383U-1BRS/BAS
		type(2nd)	-
		model number(2nd)	-
		number of batteries	1
C	Graphics	ATI Mobility Radeon 9000IGP	ATI Mobility Radeon 9000IGP
	Amount and type of RAM	UMA	UMA
	graphics driver name and version	V8.01	V8.01
	graphics resolution and color depth, refresh rate	1280x800, 32bit, 60Hz	1280x800, 32bit, 60Hz
D	hard disk capacity	60G (4200rpm)	80G (4200rpm)
	hard disk file system & transfer mode	Enhanced IDE(ATA-6)	Enhanced IDE(ATA-6)
	hard disk controller model	ATI IXP150	ATI IXP150
	size of hardware cache if any	-	-
E	operating system version, service pack	Windows XP Professional Service Pack 1	Windows XP Professional Service Pack 1
	other special conditions	N/A	N/A
F	BIOS version	1.00	1.00
			Business Winstone 2002 BatteryMark Version 1.0 Model#1-2
Power Save Mode	Cooling Method		MaximumPerformance
	Intel SpeedStep(R) Technology		-
	Processor speed	100%-75%	Low
		74%-50%	Low
		49%-25%	Low
		24%-0%	Low
	Monitor brightness (* See Notes)	100%-75%	Mid2
		74%-50%	Mid2
		49%-25%	Mid2
		24%-0%	Mid2
	Turn off monitor	100%-75%	NEVER
		74%-50%	NEVER
		49%-25%	NEVER
		24%-0%	NEVER
	Turn off hard disks	100%-75%	3min
		74%-50%	3min
		49%-25%	3min
		24%-0%	3min
	System standby	100%-75%	NEVER
		74%-50%	NEVER
		49%-25%	NEVER
		24%-0%	NEVER
	System Hibernation	100%-75%	NEVER
		74%-50%	NEVER
		49%-25%	NEVER
		24%-0%	NEVER
System Power Mode	When I press the power button		Power off
	When I close the lid		Hibernate
	Prompt for password when computer goes off Standby or Hibernation		Off
Alarm	Activate low battery alarm when power level reaches		Off
	Low Battery Alarm Action	Sound alarm	Off
		Display message	Off
		When the alarm goes off, the computer will:	Off
		When the alarm occurs, run this program:	Off
	Activate critical battery alarm when power level reaches		Off
	Critical Battery Alarm Action	Sound alarm	Off
		Display message	Off
		When the alarm goes off, the computer will:	Off
		When the alarm occurs, run this program:	Off
Hibernate	Enable Hibernate Support		On
SoundMAX Audio Power Management	Power Mode		-
	Timer Setting	Instant Power Save	-
		Power Save Delay	-
	Internal Speakers	Power Down	-
NVIDIA GeForce4 420 Go	Display Properties - Setting-Advanced - nView - *** Go - PowerMizer		-

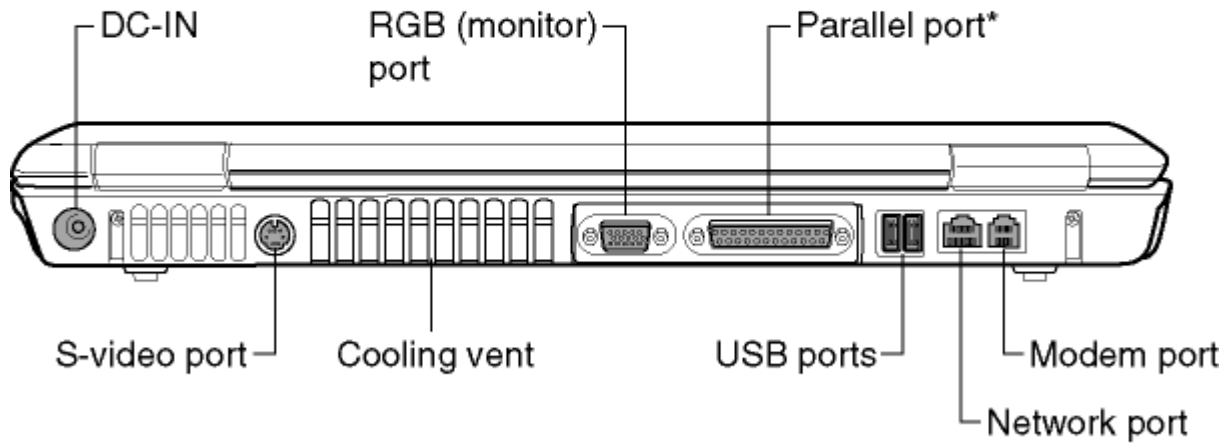
Front with display closed



Front with display open

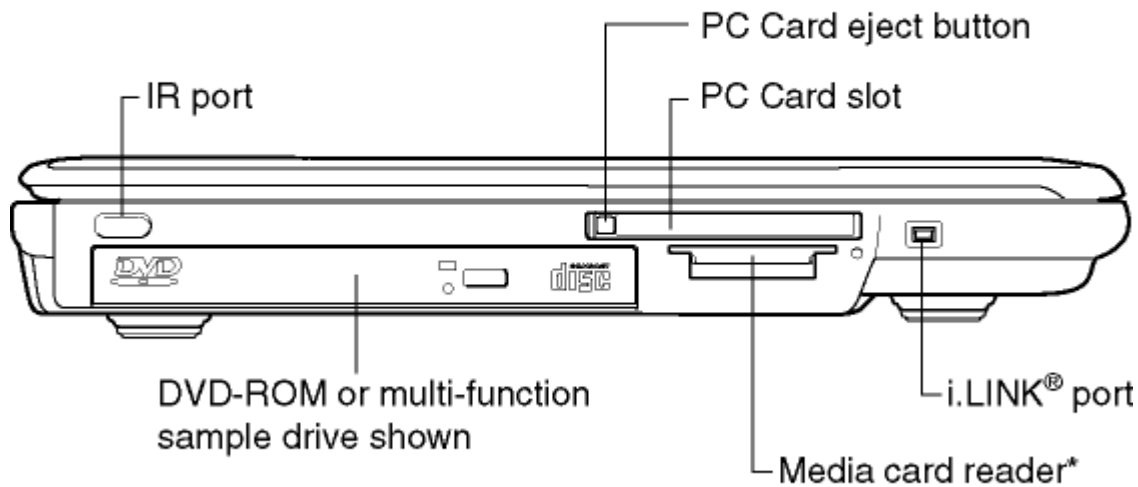


Back



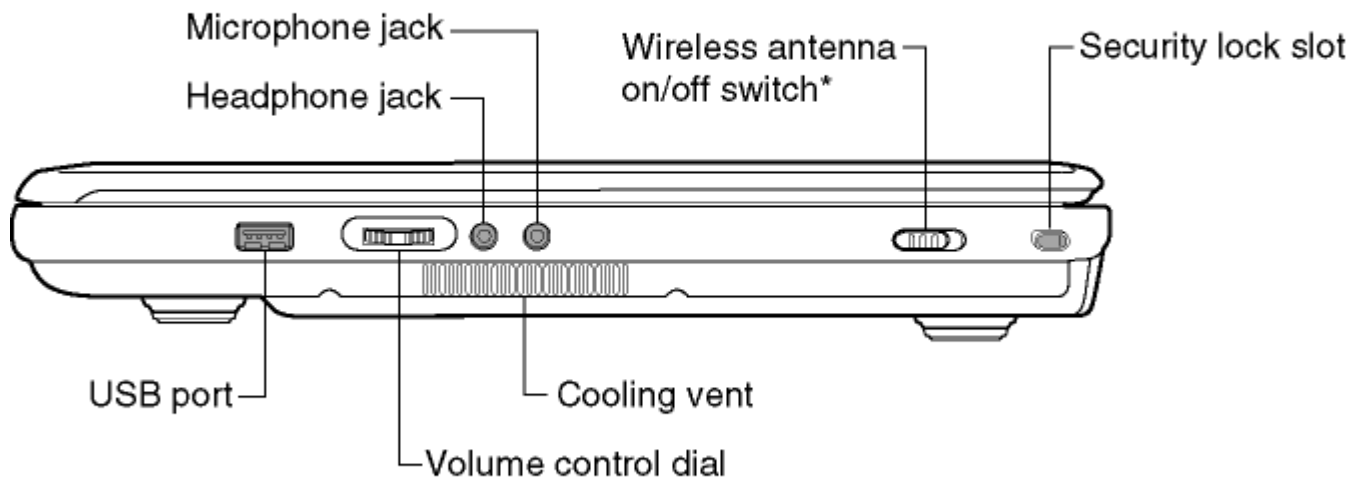
*Only on selected models.

Left side



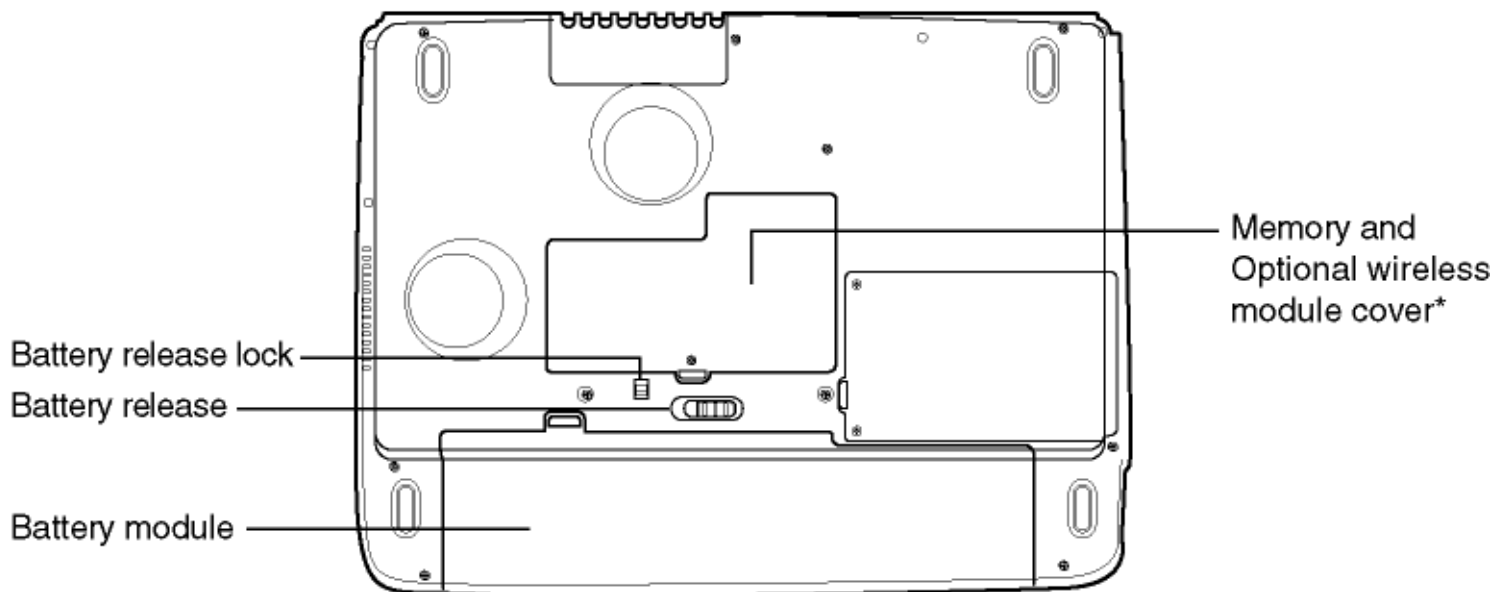
*Only on selected models.

Right side



*Functional only on systems with wireless module installed.

Underside



*Functional only on systems with wireless module installed.